## Suggested 4-Year Academic Flowchart

**B.S. in MECHANICAL ENGINEERING (General Concentration)**

### Freshman
- **Fall**
  - Introduction to Mechanical Engineering I
  - Calculus I
  - GE (4)
- **Winter**
  - Introduction to Mechanical Engineering II
  - Calculus II
  - Manufacturing Processes: Introduction to Manufacturing Processes
  - Expository Writing
- **Spring**
  - Introduction to Mechanical Engineering III
  - Calculus III
  - Manufacturing Processes: Materials Removal
  - Oral Communication

### Sophomore
- **Fall**
  - Mechanics of Materials I
  - ME 129^ (1)
  - General Physics II
  - MATH 141
  - Manufacturing Processes: Materials Joining
  - ENGLISH 133
- **Winter**
  - Mechanics of Materials II
  - ME 130^ (1)
  - General Physics III
  - MATH 142
  - Manufacturing Processes: Detailed Design
  - COMS 101
- **Spring**
  - Intermediate Dynamics
  - ME 302 (3)
  - Calculus IV
  - Ge (4)
  - Technical Writing
  - Materials Engineering

### Junior
- **Fall**
  - ME 128^ (1)
  - ME 131, 141
  - Manufacturing Processes: Introduction to Manufacturing Processes
  - Expository Writing
  - Oral Communication
- **Winter**
  - ME 303 (4)
  - ME 130^ (1)
  - General Physics IV
  - MATH 244
  - Manufacturing Processes: Detailed Design
  - ENGLISH 134
- **Spring**
  - ME 304 (4)
  - ME 131, 141
  - Calculus V
  - GE (4)
  - Technical Writing
  - Materials Engineering

### Senior
- **Fall**
  - ME 325 (4)
  - ME 211 (3)
  - General Physics V
  - MATH 143
  - Manufacturing Processes: Detailed Design
  - ENGLISH 149
- **Winter**
  - ME 326 (4)
  - ME 211 (3)
  - Calculus VI
  - GE (4)
  - Technical Writing
  - Materials Engineering

### Notes:
- Most General Education Courses can be taken in any order as long as prerequisites are met.
- * Courses refer to current catalog for prerequisites.
- ** One course from each of the following GE areas must be completed: A1, A2, C1, C2, C3, C4, D1, D2, D3, D4. C4 should be taken only after junior standing is reached (90 units).
- Refer to online catalog for GE course selection, United States Cultural Pluralism (USCP) and Graduation Writing Requirement (GWR).
- USCP requirement can be satisfied by some (but not all) courses within GE categories: C3, C4, D1, D3, or D4.
- *** Refer to current catalog for course selection. ME 470, ME 471, ME 570 and ME 571 are variable topics courses and may or may not count as ME electives. Please contact instructor for additional information. ME 400 and ME 500 are independent study classes and may be acceptable for technical elective credit. A course substitution form is required. Exceptions to this policy are possible through consultation with the department chair.
- ^ Course can be taken previously or concurrently.
- † Transfer students take ME 228 & 229 in lieu of ME 128, 129, 130 and 163